

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122420\
 Data File : VX020382.D
 Acq On : 24 Dec 2020 13:02
 Operator : JC/MD
 Sample : L5123-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 25 01:11:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

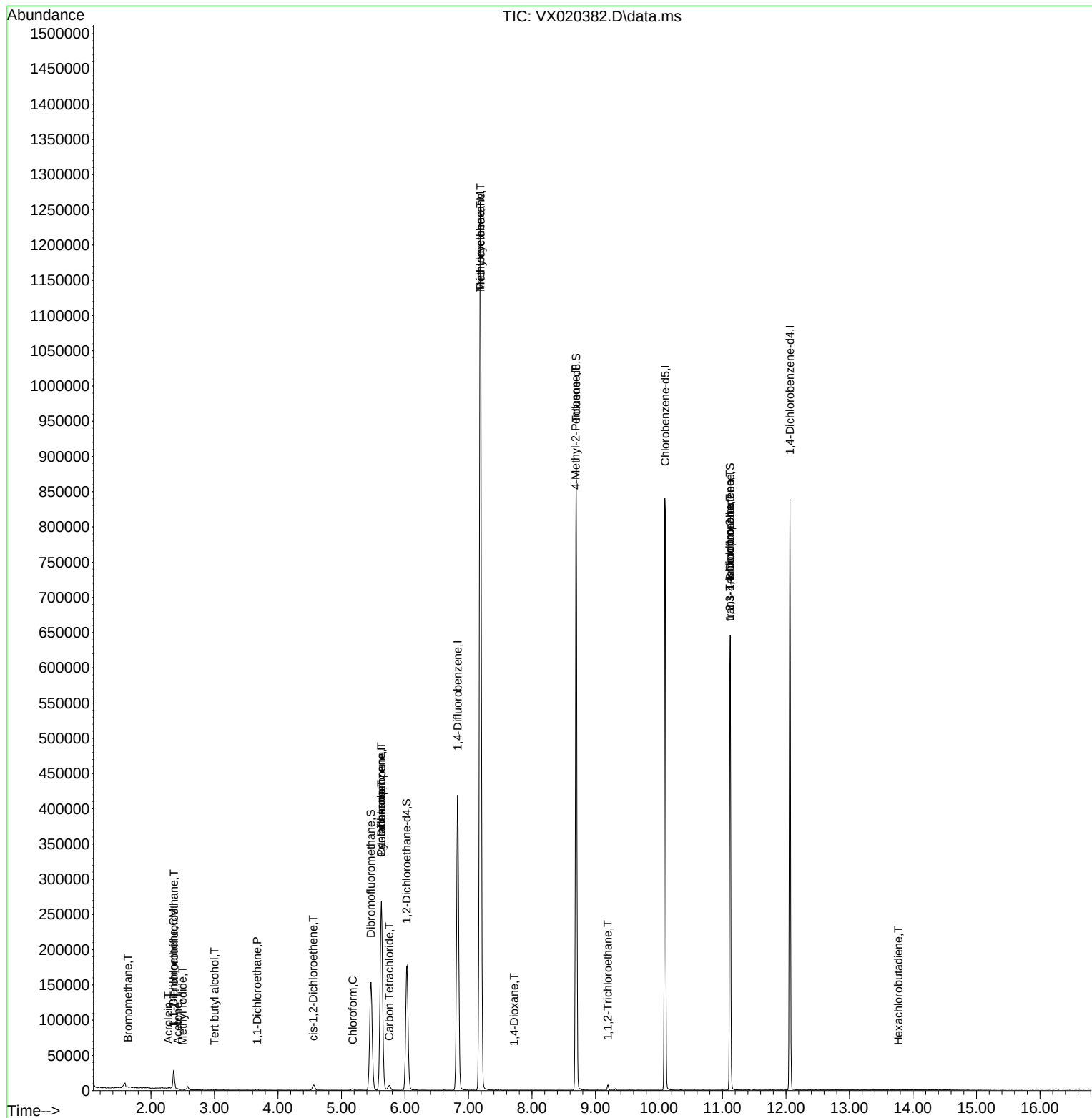
Internal Standards						
1) Pentafluorobenzene	5.629	168	251651	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	420034	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	392775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	167768	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	169801	50.34	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 100.68%	
35) Dibromofluoromethane	5.465	113	134145	49.92	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 99.84%	
50) Toluene-d8	8.696	98	514650	49.76	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.52%	
62) 4-Bromofluorobenzene	11.122	95	177854	44.93	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 89.86%	
Target Compounds						
						Qvalue
5) Bromomethane	1.636	94	679	0.61	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.361	101	4822	1.92	ug/l	98
10) Methyl Iodide	2.496	142	634	3.46	ug/l #	91
11) Tert butyl alcohol	3.002	59	496	0.66	ug/l #	73
12) 1,1-Dichloroethene	2.355	96	5459	2.12	ug/l	92
13) Acrolein	2.270	56	102	0.22	ug/l #	1
16) Acetone	2.422	43	1344	0.87	ug/l	96
24) 1,1-Dichloroethane	3.672	63	1813	0.33	ug/l #	94
27) cis-1,2-Dichloroethene	4.556	96	4793	1.36	ug/l	94
30) Chloroform	5.178	83	2243	0.40	ug/l #	80
31) Cyclohexane	5.629	56	5167	1.11	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	19673	4.74	ug/l #	49
38) Carbon Tetrachloride	5.751	117	6031	1.53	ug/l	94
39) Methylcyclohexane	7.190	83	5824	1.22	ug/l #	1
44) Trichloroethene	7.184	130	489968	146.68	ug/l	97
49) 1,4-Dioxane	7.720	88	171	2.19	ug/l	87
51) 4-Methyl-2-Pentanone	8.690	43	2095	0.50	ug/l #	1
55) 1,1,2-Trichloroethane	9.196	97	1942	0.60	ug/l	92
76) 1,2,3-Trichloropropane	11.116	75	87383	21.14	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	87383	62.73	ug/l #	12
94) Hexachlorobutadiene	13.768	225	32	2.66	ug/l #	19

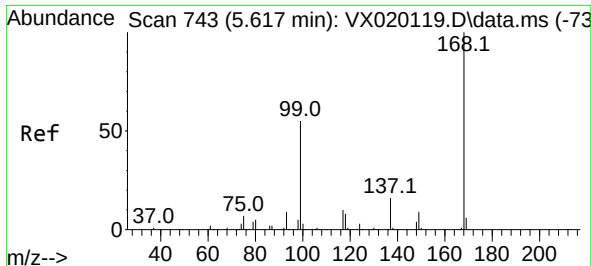
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration

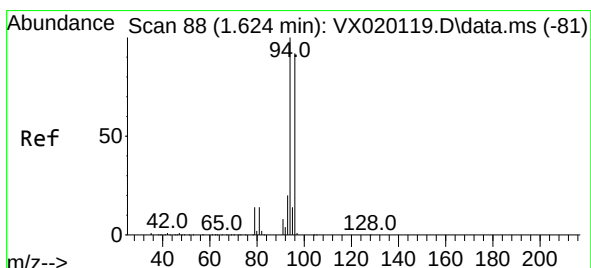
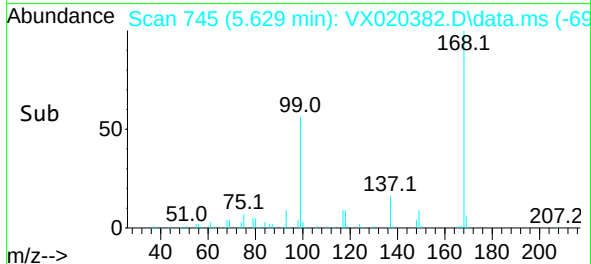
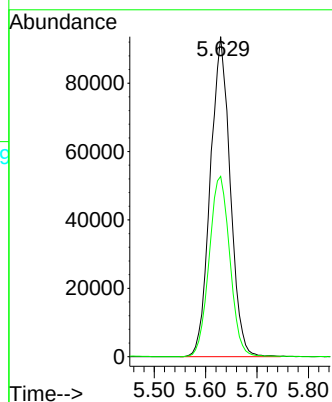
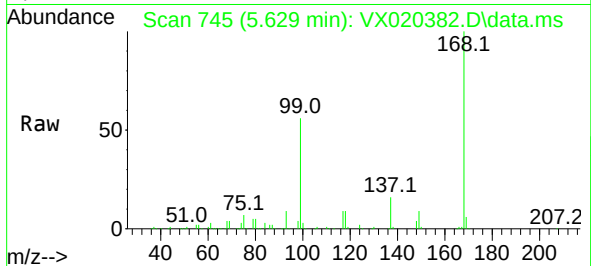




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

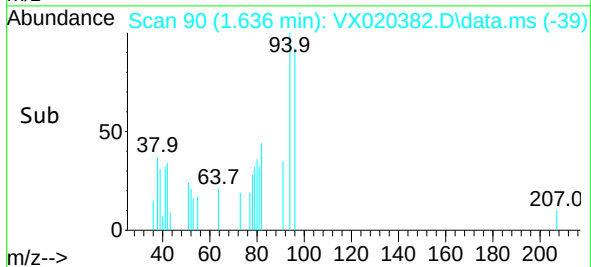
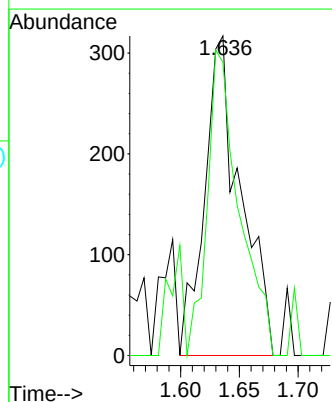
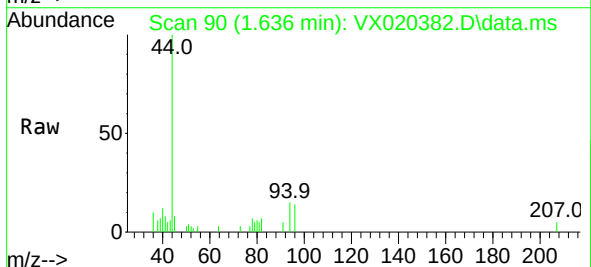
Instrument :
MSVOA_X
ClientSampled :

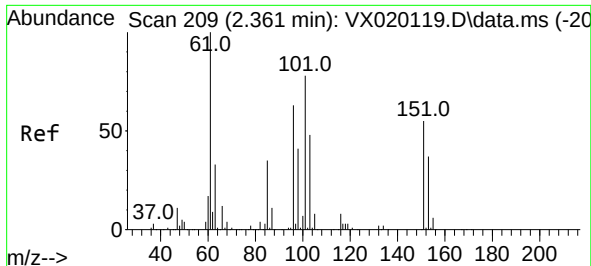
Tgt Ion:168 Resp: 251651
Ion Ratio Lower Upper
168 100
99 56.4 45.8 68.6



#5
Bromomethane
Concen: 0.61 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

Tgt Ion: 94 Resp: 679
Ion Ratio Lower Upper
94 100
96 91.8 76.4 114.6

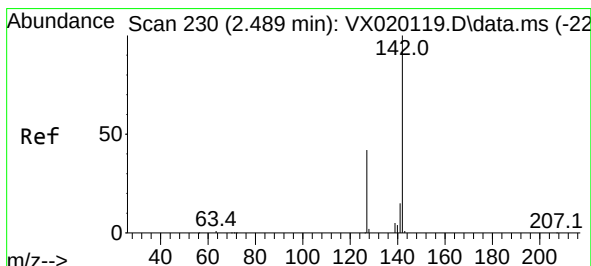
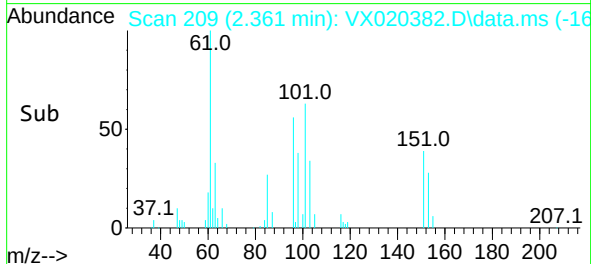
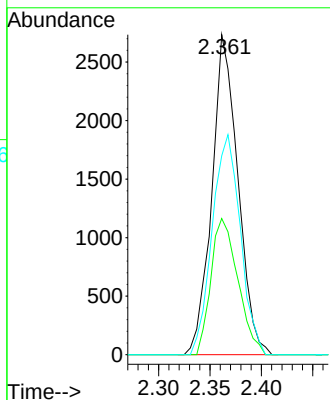
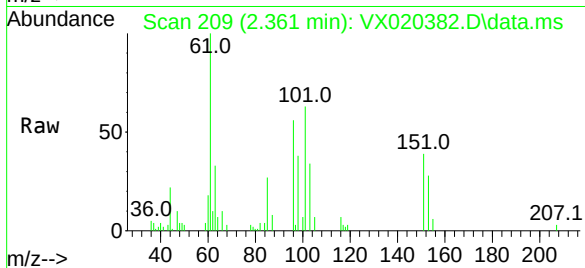




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.92 ug/l
RT: 2.361 min Scan# 209
Delta R.T. 0.000 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

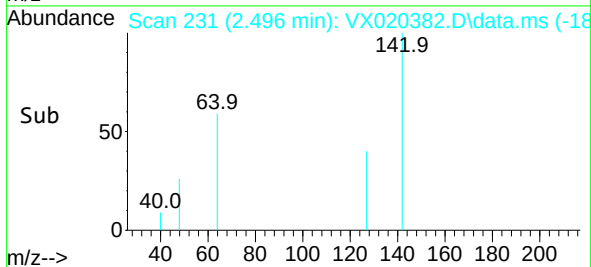
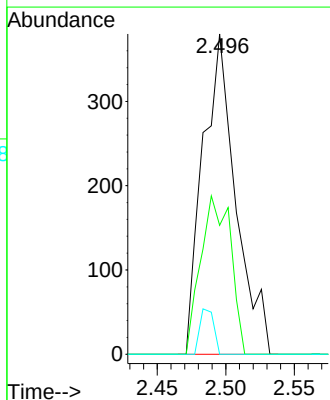
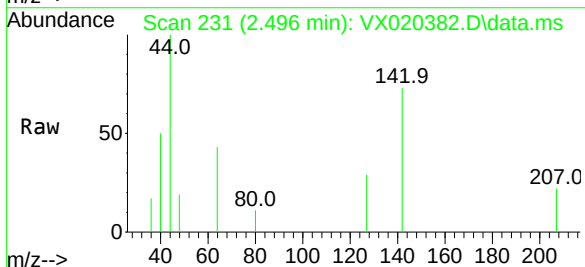
Instrument :
MSVOA_X
ClientSampled :

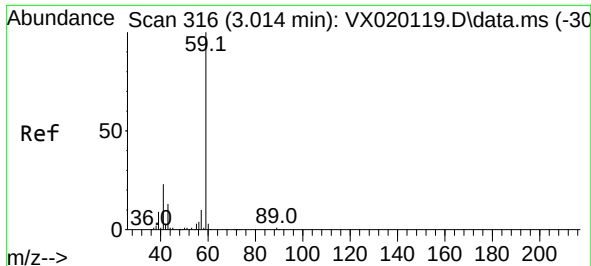
Tgt Ion:	101	Resp:	4822
Ion	Ratio	Lower	Upper
101	100		
85	44.0	34.9	52.3
151	74.2	61.4	92.2



#10
Methyl Iodide
Concen: 3.46 ug/l
RT: 2.496 min Scan# 231
Delta R.T. 0.007 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

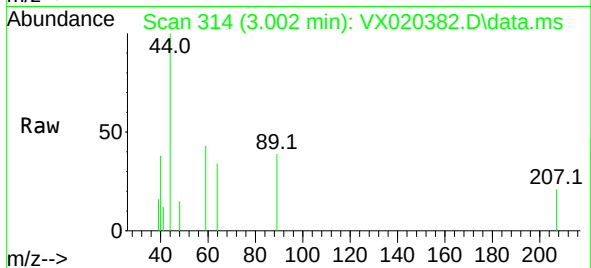
Tgt Ion:	142	Resp:	634
Ion	Ratio	Lower	Upper
142	100		
127	45.1	33.3	49.9
141	6.0	11.4	17.0



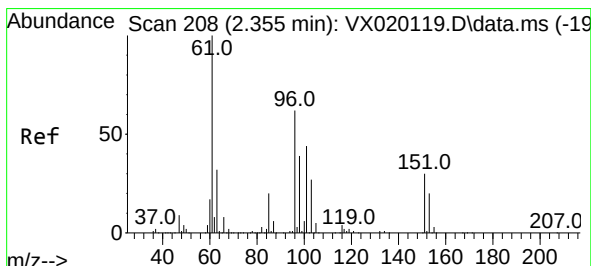
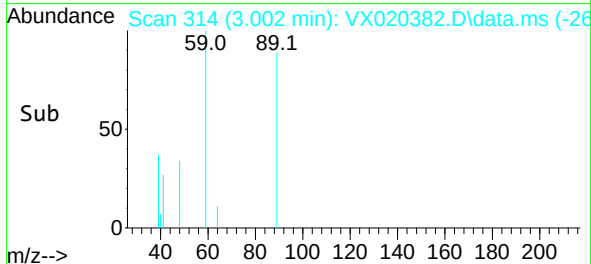
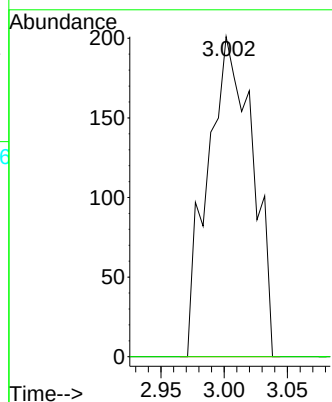


#11
Tert butyl alcohol
Concen: 0.66 ug/l
RT: 3.002 min Scan# 314
Delta R.T. -0.012 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

Instrument :
MSVOA_X
ClientSampled :

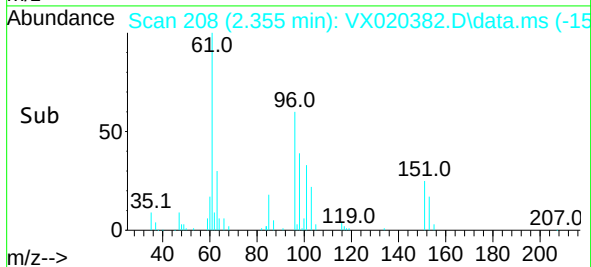
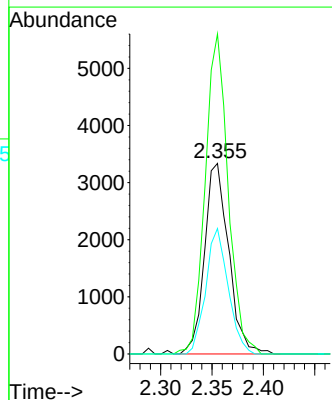
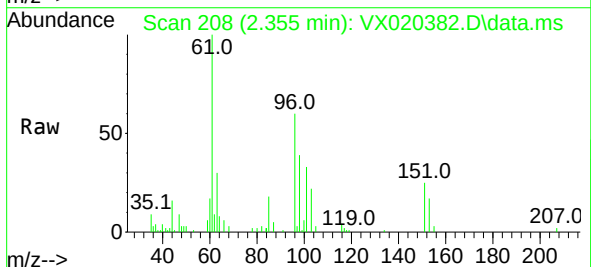


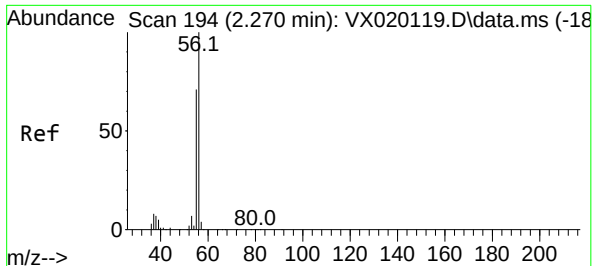
Tgt Ion: 59 Resp: 496
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 2.12 ug/l
RT: 2.355 min Scan# 208
Delta R.T. 0.000 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

Tgt Ion: 96 Resp: 5459
Ion Ratio Lower Upper
96 100
61 167.9 124.6 187.0
98 65.8 50.6 76.0

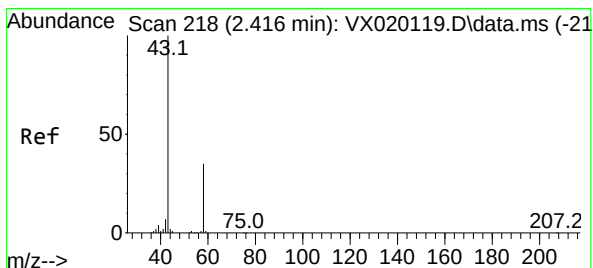
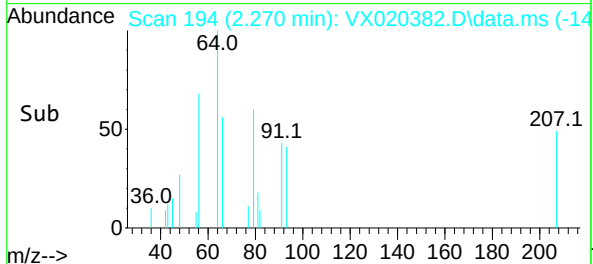
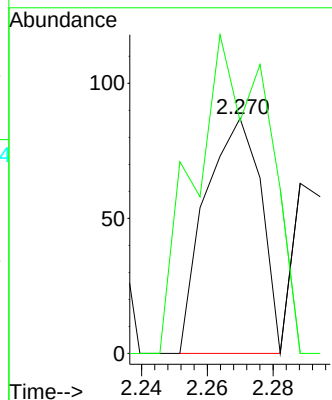
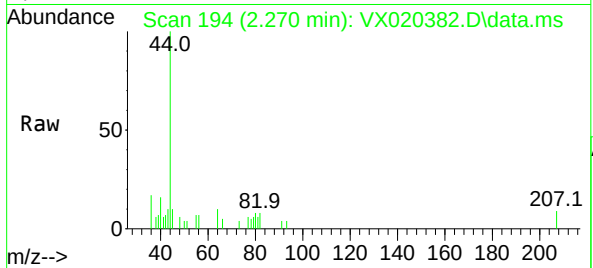




#13
Acrolein
Concen: 0.22 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

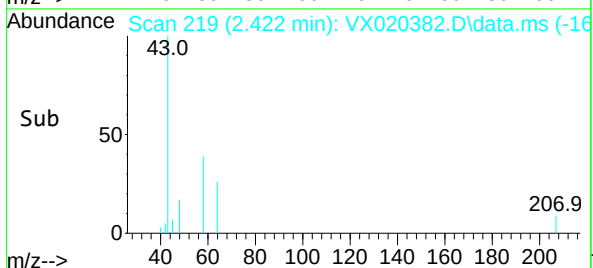
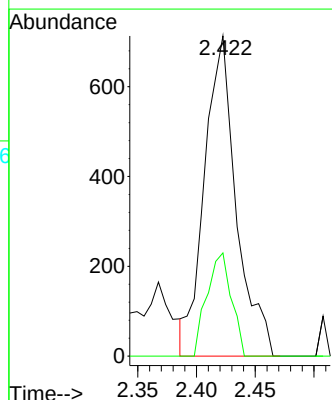
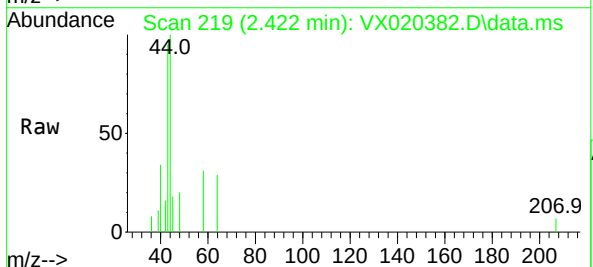
Instrument :
MSVOA_X
ClientSampled :

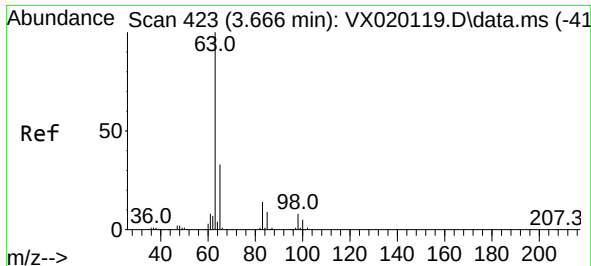
Tgt Ion: 56 Resp: 102
Ion Ratio Lower Upper
56 100
55 179.4 56.4 84.6#



#16
Acetone
Concen: 0.87 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

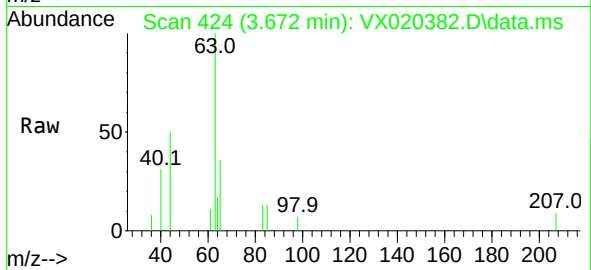
Tgt Ion: 43 Resp: 1344
Ion Ratio Lower Upper
43 100
58 32.3 27.8 41.8



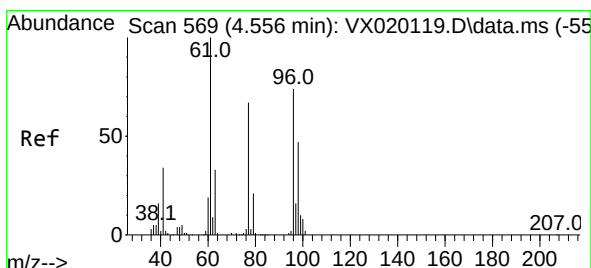
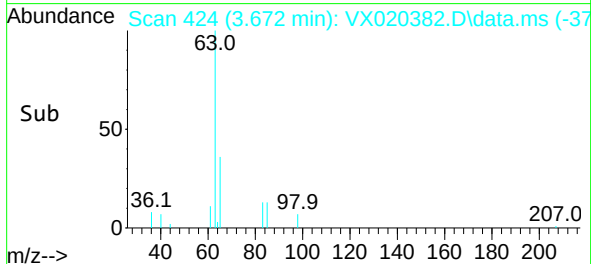
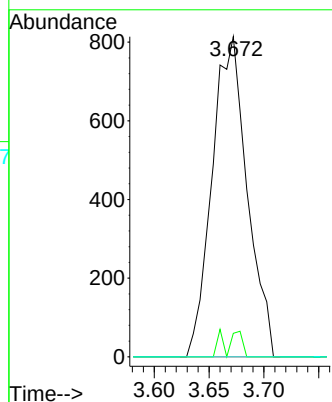


#24
1,1-Dichloroethane
Concen: 0.33 ug/l
RT: 3.672 min Scan# 424
Delta R.T. 0.006 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

Instrument :
MSVOA_X
ClientSampled :

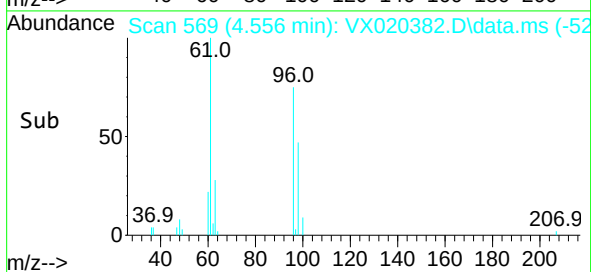
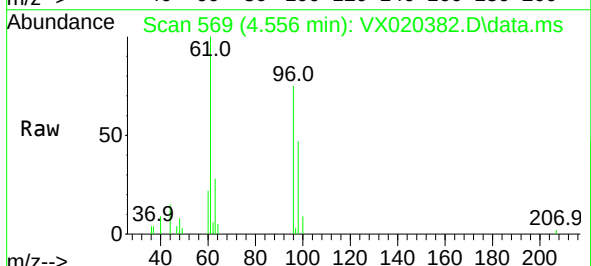
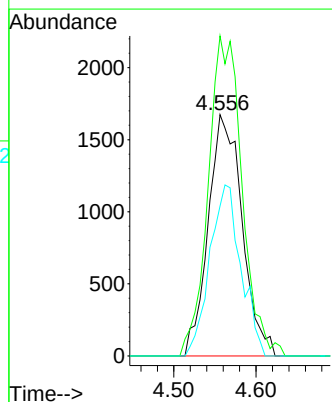


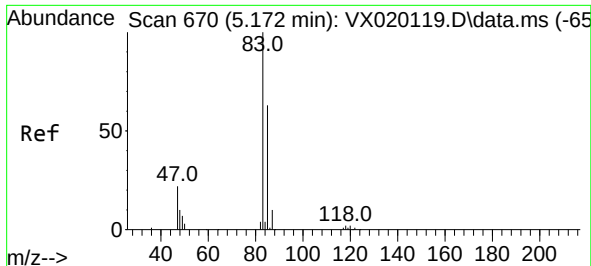
Tgt Ion: 63 Resp: 1813
Ion Ratio Lower Upper
63 100
98 7.4 3.8 11.2
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 1.36 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.000 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

Tgt Ion: 96 Resp: 4793
Ion Ratio Lower Upper
96 100
61 132.4 0.0 285.6
98 65.1 0.0 129.6

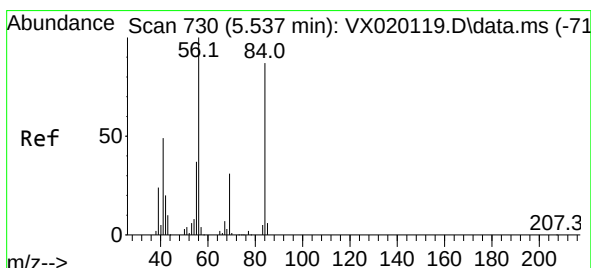
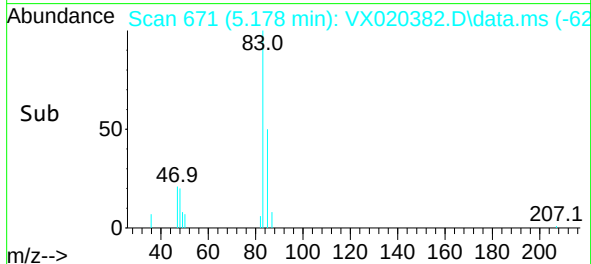
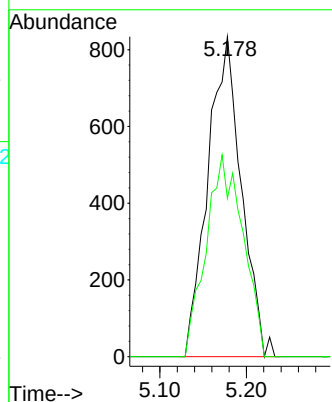
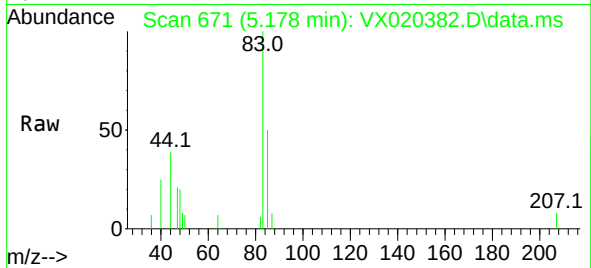




#30
Chloroform
Concen: 0.40 ug/l
RT: 5.178 min Scan# 671
Delta R.T. 0.006 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

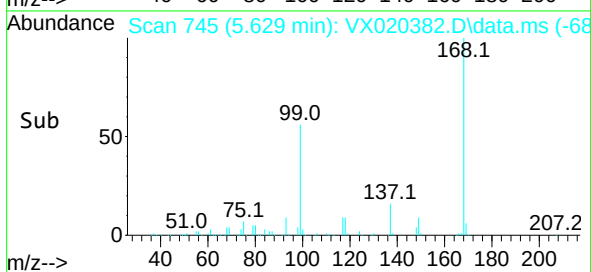
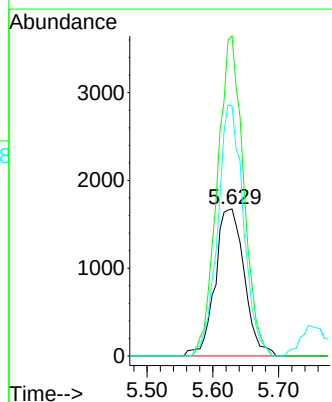
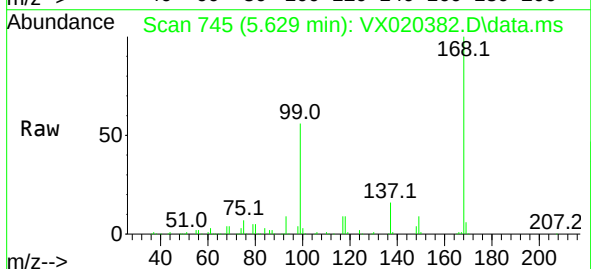
Instrument :
MSVOA_X
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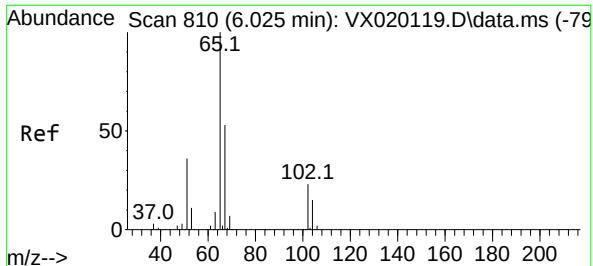
Tgt Ion: 83 Resp: 2243
Ion Ratio Lower Upper
83 100
85 49.5 52.0 78.0#



#31
Cyclohexane
Concen: 1.11 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

Tgt Ion: 56 Resp: 5167
Ion Ratio Lower Upper
56 100
69 217.5 25.3 37.9#
84 170.2 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.34 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020382.D

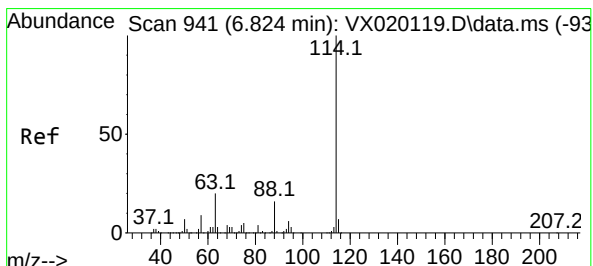
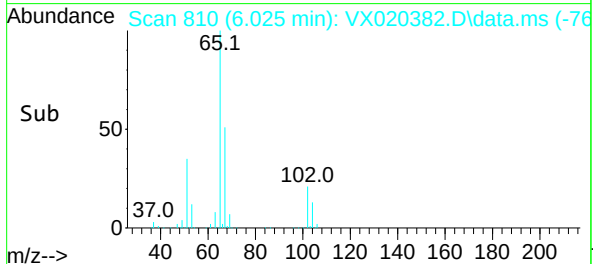
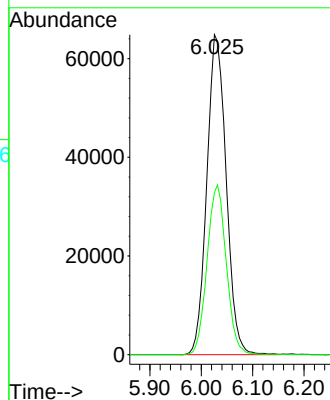
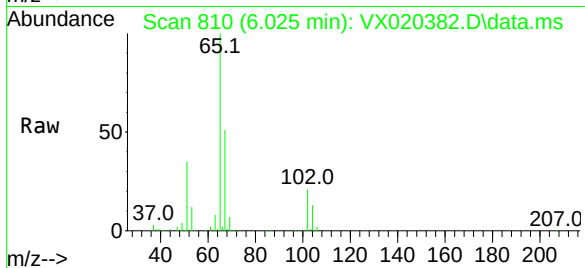
Acq: 24 Dec 2020 13:02

Tgt Ion: 65 Resp: 169801

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.006 min

Lab File: VX020382.D

Acq: 24 Dec 2020 13:02

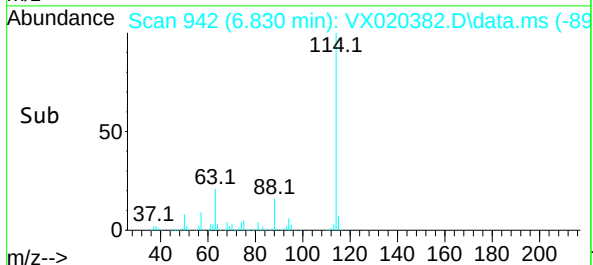
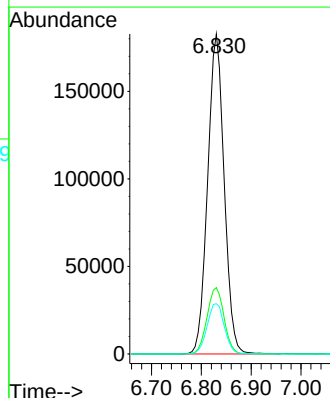
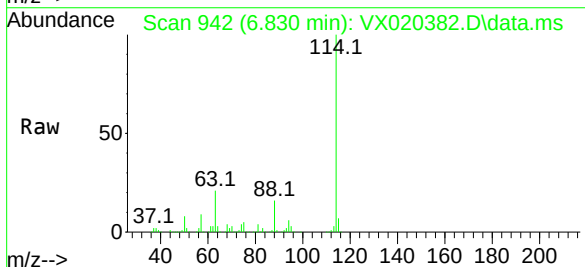
Tgt Ion: 114 Resp: 420034

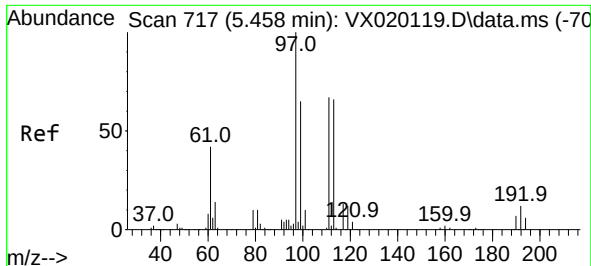
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

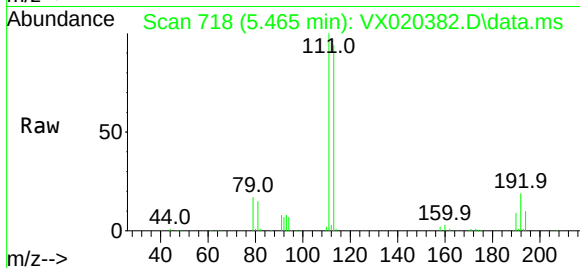
88 15.7 0.0 32.8



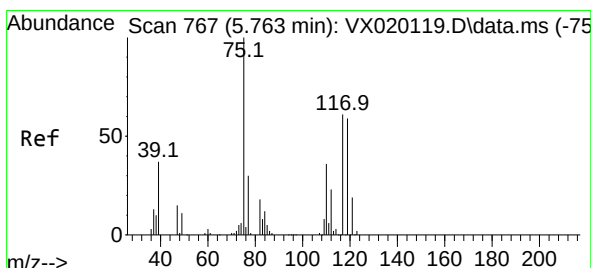
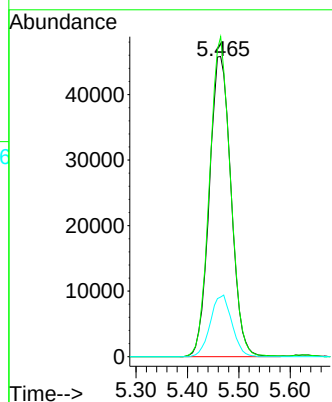
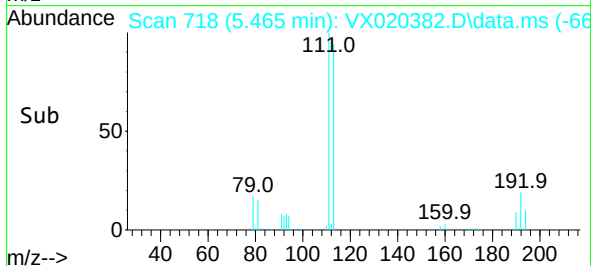


#35
Dibromofluoromethane
Concen: 49.92 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

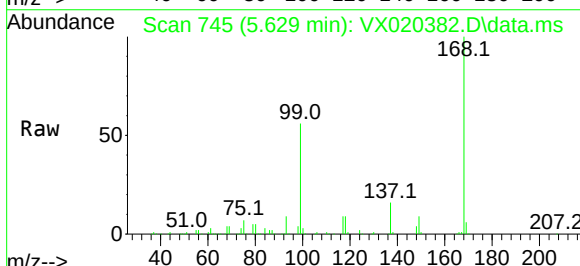
Instrument :
MSVOA_X
ClientSampled :



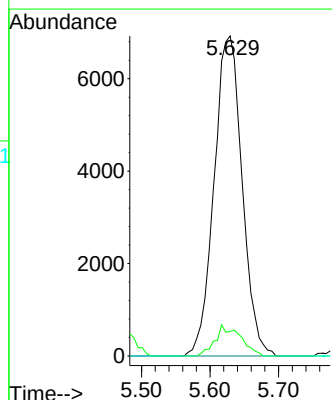
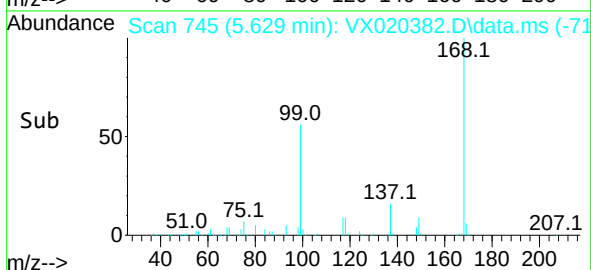
Tgt Ion:113 Resp: 134145
Ion Ratio Lower Upper
113 100
111 103.0 81.9 122.9
192 20.4 16.7 25.1

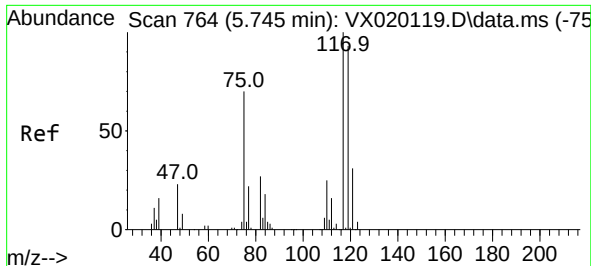


#36
1,1-Dichloropropene
Concen: 4.74 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02



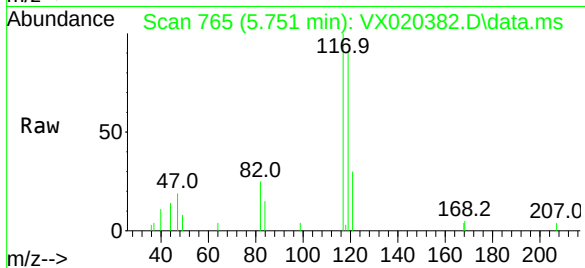
Tgt Ion: 75 Resp: 19673
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.3 37.9#



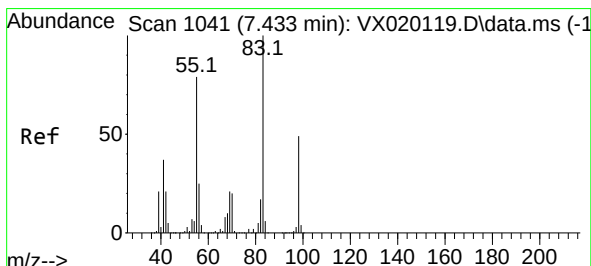
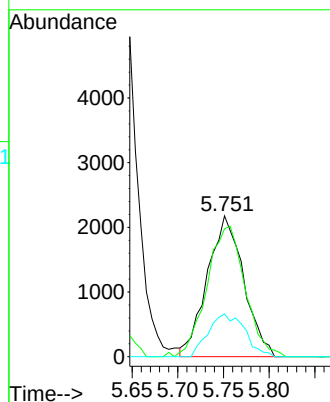
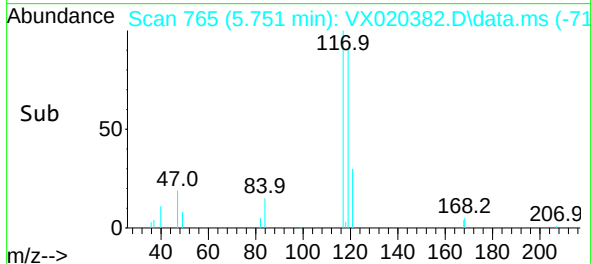


#38
Carbon Tetrachloride
Concen: 1.53 ug/l
RT: 5.751 min Scan# 765
Delta R.T. 0.006 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

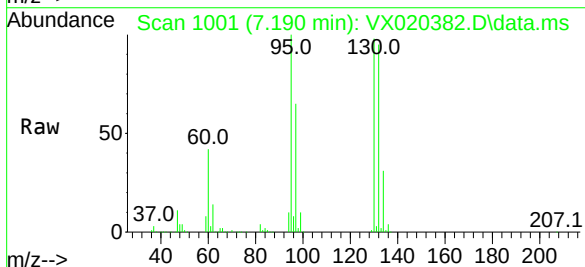
Instrument :
MSVOA_X
ClientSampled :



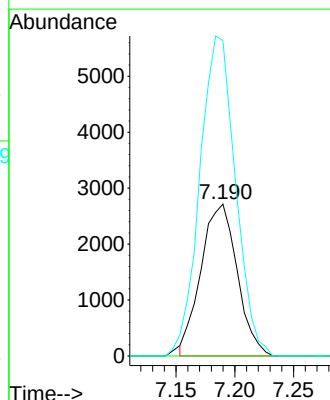
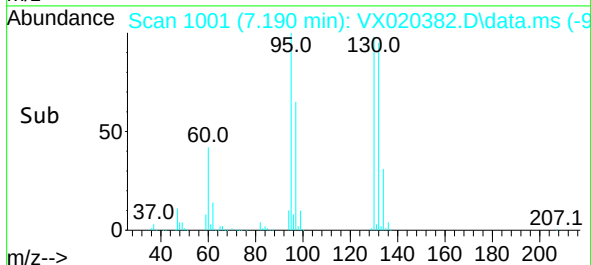
Tgt Ion:117 Resp: 6031
Ion Ratio Lower Upper
117 100
119 88.1 76.2 114.2
121 30.4 24.8 37.2

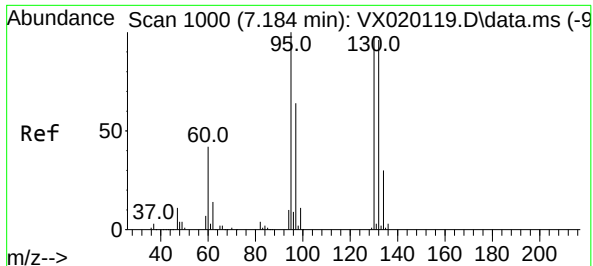


#39
Methylcyclohexane
Concen: 1.22 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. -0.243 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02



Tgt Ion: 83 Resp: 5824
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 207.8 38.1 57.1#

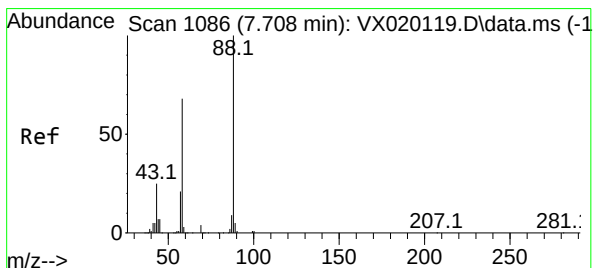
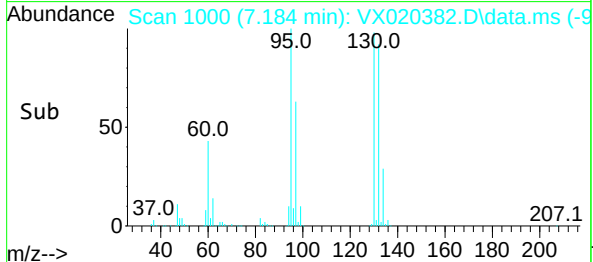
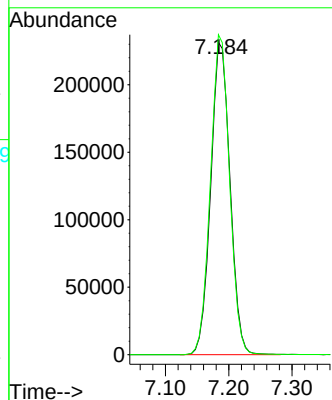
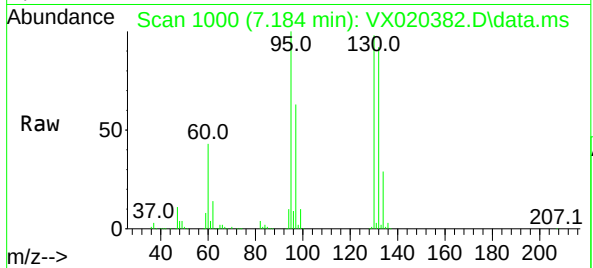




#44
Trichloroethene
Concen: 146.68 ug/l
RT: 7.184 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

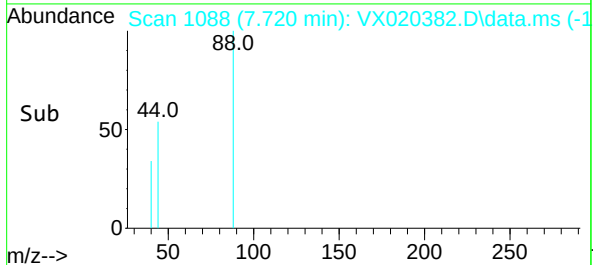
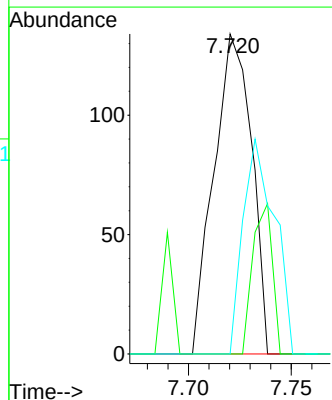
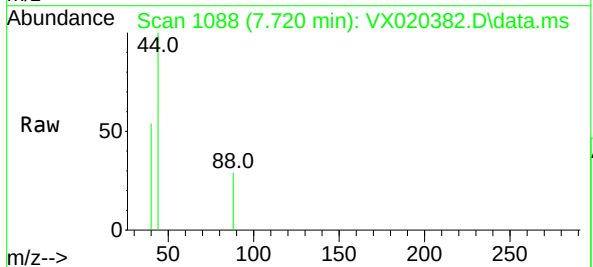
Instrument :
MSVOA_X
ClientSampled :

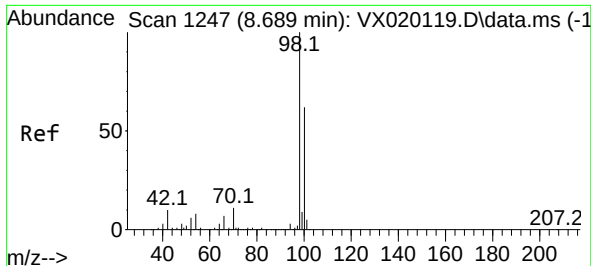
Tgt Ion:130 Resp: 489968
Ion Ratio Lower Upper
130 100
95 102.4 0.0 198.0



#49
1,4-Dioxane
Concen: 2.19 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

Tgt Ion: 88 Resp: 171
Ion Ratio Lower Upper
88 100
43 24.6 23.2 34.8
58 56.1 55.0 82.4

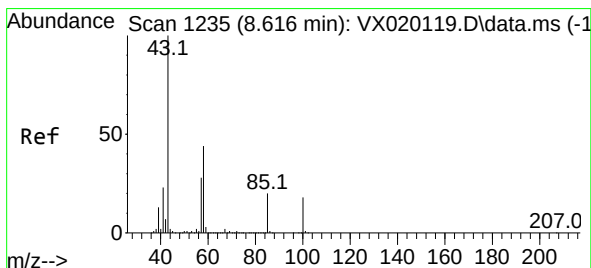
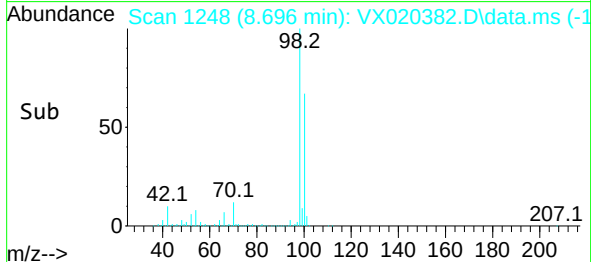
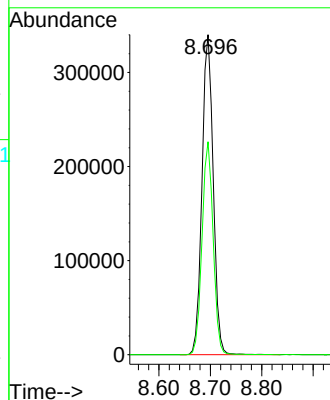
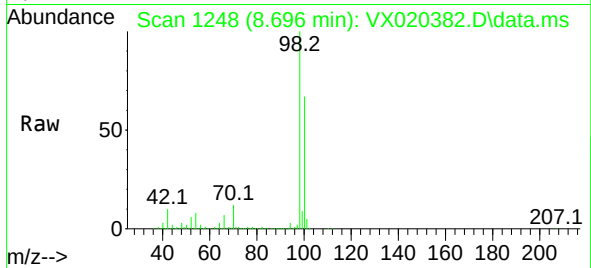




#50
Toluene-d8
Concen: 49.76 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

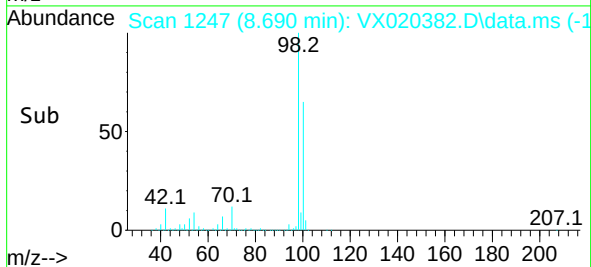
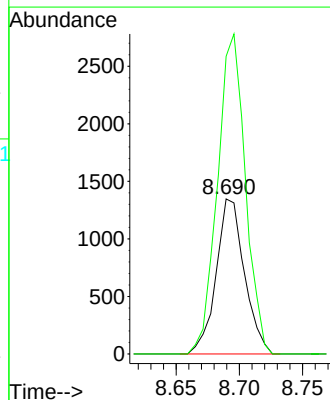
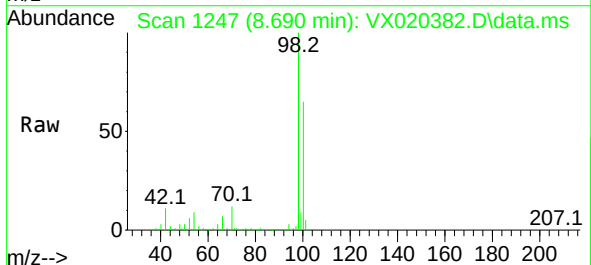
Instrument :
MSVOA_X
ClientSampled :

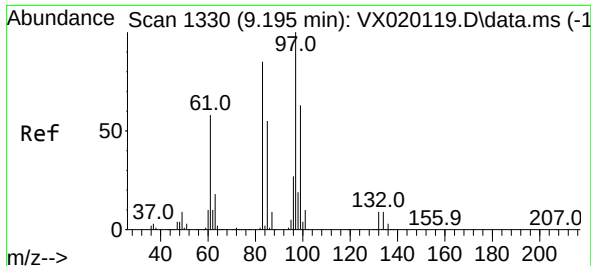
Tgt Ion: 98 Resp: 514650
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.50 ug/l
RT: 8.690 min Scan# 1247
Delta R.T. 0.074 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

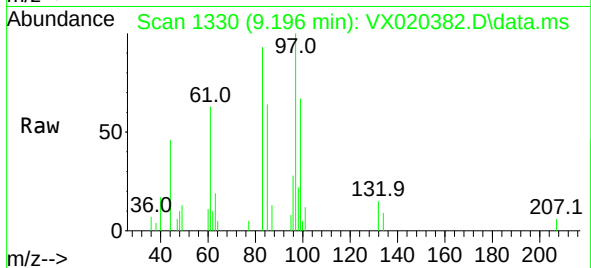
Tgt Ion: 43 Resp: 2095
Ion Ratio Lower Upper
43 100
58 203.7 35.4 53.0#



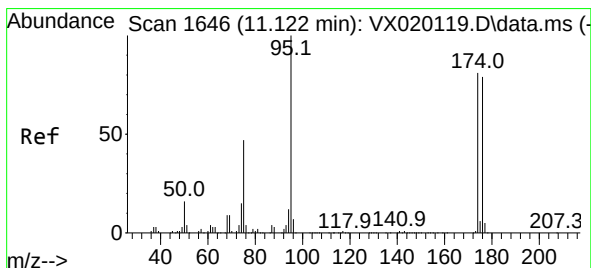
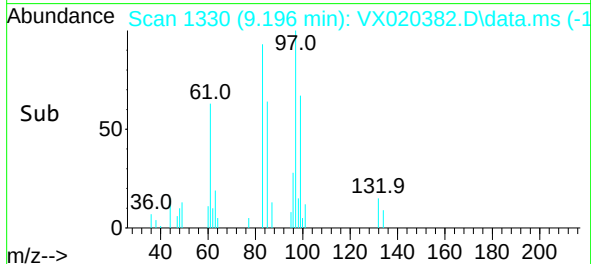
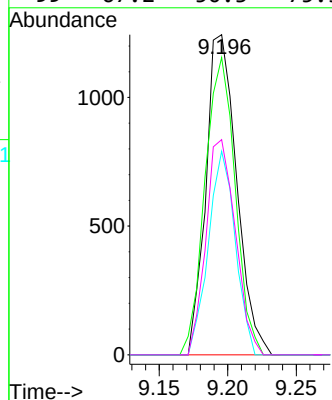


#55
1,1,2-Trichloroethane
Concen: 0.60 ug/l
RT: 9.196 min Scan# 1330
Delta R.T. 0.001 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

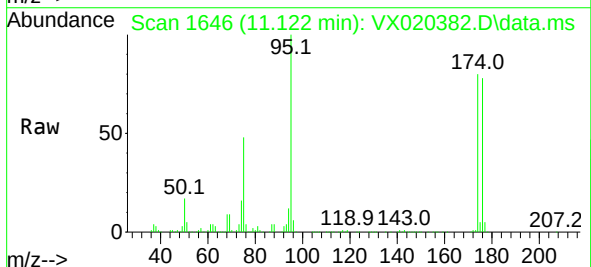
Instrument :
MSVOA_X
ClientSampled :



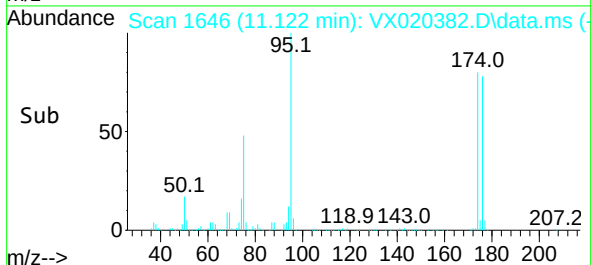
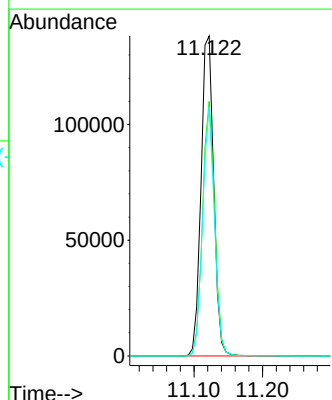
Tgt Ion:	97	Resp:	1942
Ion	Ratio	Lower	Upper
97	100		
83	92.8	69.3	103.9
85	63.6	44.3	66.5
99	67.2	50.3	75.5

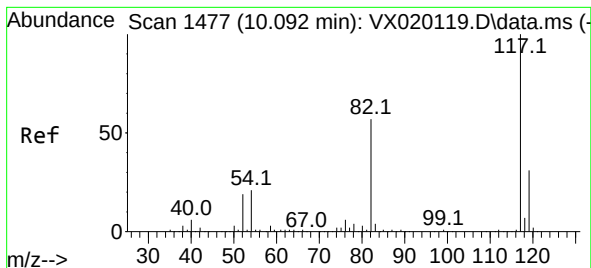


#62
4-Bromofluorobenzene
Concen: 44.93 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02



Tgt Ion:	95	Resp:	177854
Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	154.6
176	73.0	0.0	155.8

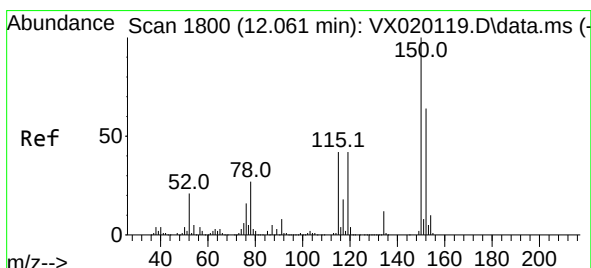
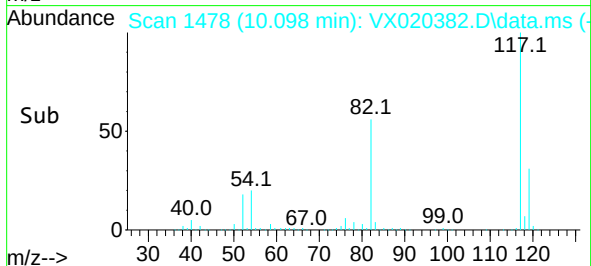
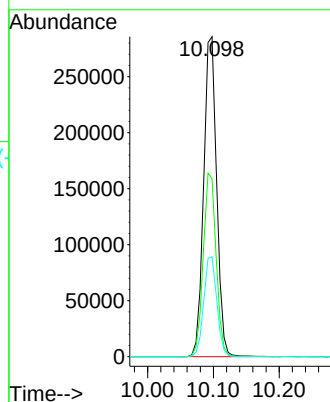
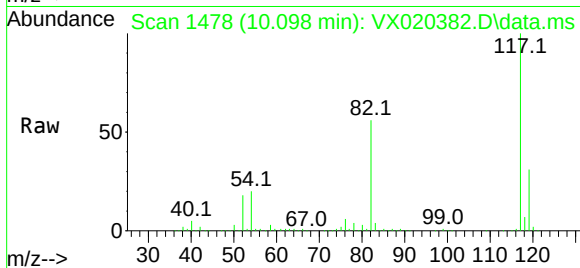




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

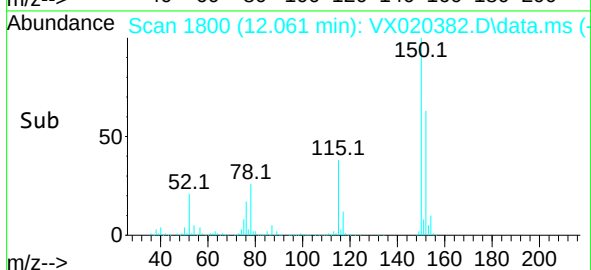
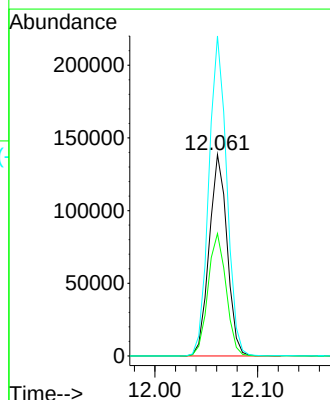
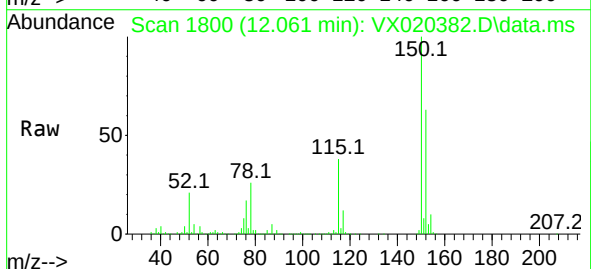
Instrument :
MSVOA_X
ClientSampled :

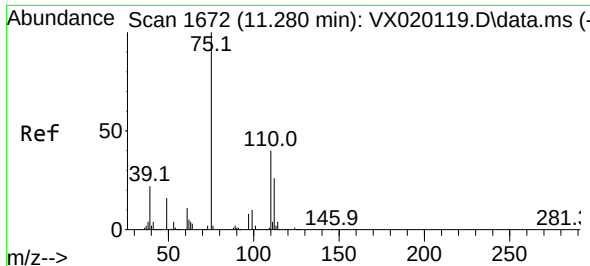
Tgt Ion:117 Resp: 392775
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

Tgt Ion:152 Resp: 167768
Ion Ratio Lower Upper
152 100
115 61.4 41.1 123.3
150 158.1 0.0 349.0

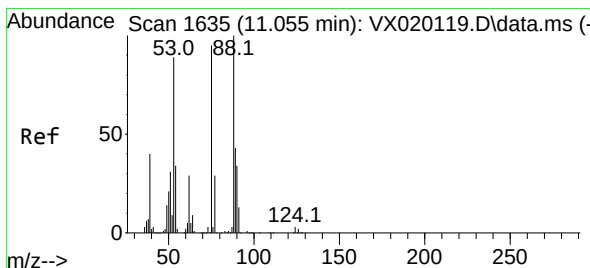
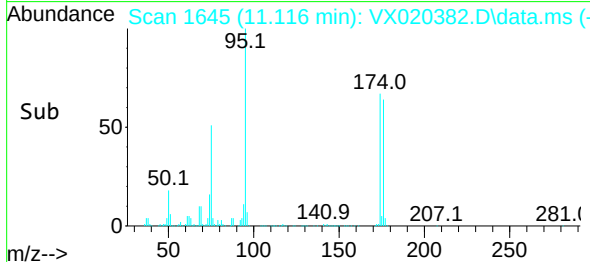
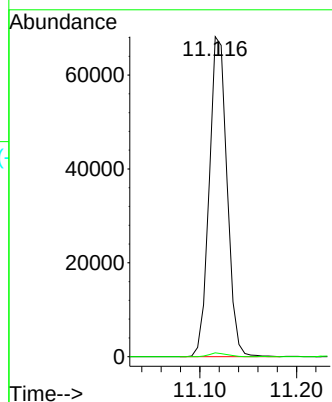
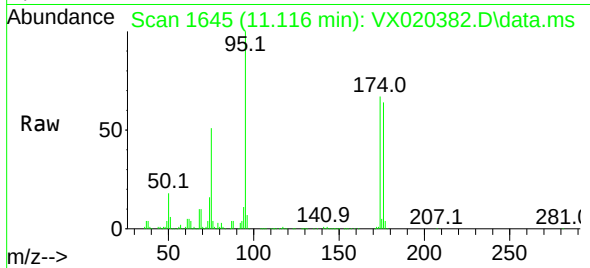




#76
1,2,3-Trichloropropane
Concen: 21.14 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

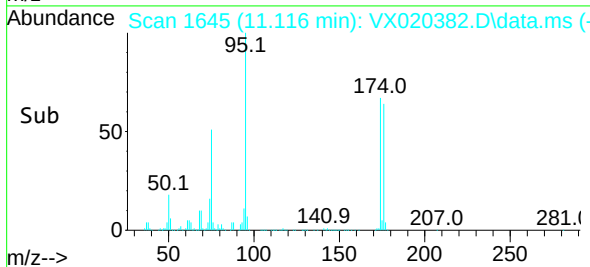
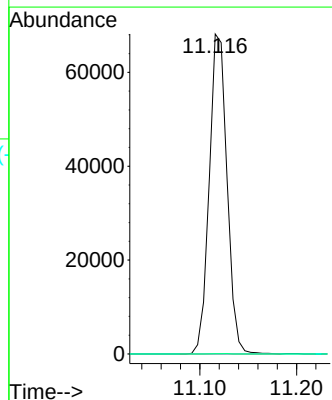
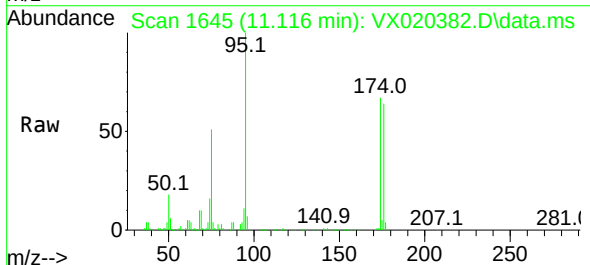
Instrument :
MSVOA_X
ClientSampled :

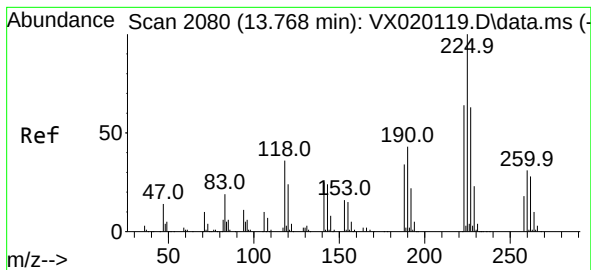
Tgt Ion: 75 Resp: 87383
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.73 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

Tgt Ion: 75 Resp: 87383
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#94
Hexachlorobutadiene
Concen: 2.66 ug/l
RT: 13.768 min Scan# 2080
Delta R.T. -0.000 min
Lab File: VX020382.D
Acq: 24 Dec 2020 13:02

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:225 Resp: 32
Ion Ratio Lower Upper
225 100
223 0.0 31.1 93.2#
227 0.0 31.6 95.0#

